

MULTIMEDIA



UNIVERSITY

STUDENT ID NO

--	--	--	--	--	--	--	--	--	--

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2019/2020

DWD5034 – WEB DESIGN

(All Sections / Groups)

6 MARCH 2020
3.00 p.m – 5.00 p.m
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 9 pages with 2 sections.
2. Attempt **ALL** questions in Section A and Section B. The distribution of the marks for each question is given.
3. Please write all your answers for Section A on the OMR form provided and all answers for Section B in the Answer Booklet provided.

SECTION A: Multiple Choice Questions (25 Marks)

1. The server on the Internet is also known as a _____.
 - A. hub
 - B. host
 - C. gateway
 - D. repeater
2. The communication protocol used by the Internet is _____.
 - A. HTTP
 - B. WWW
 - C. TCP/IP
 - D. FTP
3. Computers on the Internet owned and operated by education institutions form part of the _____.
 - A. com domain
 - B. edu domain
 - C. mil domain
 - D. None of the above
4. The correct HTML tag for the largest heading is _____.
 - A. <head>
 - B. <h6>
 - C. <heading>
 - D. <h1>
5. Which tag tells the browser where the page starts and stops?
 - A. <HTML>
 - B. <title>
 - C. <body>
 - D. <form>
6. Can the tag <SMALL> be replaced with <small>?
 - A. <small> is correct.
 - B. <SMALL> is correct.
 - C. Both are the same.
 - D. No, they represent different elements altogether.
7. The body tag is usually used after the _____.
 - A. <title> tag
 - B. <HEAD> tag
 - C. <HTML> tag
 - D. <FORM> tag

Continued...

8. How can you open a link in a new browser window?
- A. `<a href = "url".new>`
 - B. `<a href = "url" target = "new">`
 - C. `<a href = "url" target = "open">`
 - D. `<a href = "url" target = "_blank">`
9. Which list will `<ol>` tag create?
- A. Bulleted list
 - B. Unordered list
 - C. Numbered list
 - D. Definition list
10. *.gif* and *.jpg* are the two main types of _____ formats.
- A. image
 - B. music
 - C. video
 - D. animated effect
11. _____ is an attribute used in the `<form>` tag.
- A. name
 - B. required
 - C. minlength
 - D. placeholder
12. Which of the following attributes of a text box limits the maximum character entered?
- A. max
 - B. size
 - C. length
 - D. maxlength
13. To create a drop down list, which tag will you use?
- A. `<list>`
 - B. `<select>`
 - C. `<checkbox>`
 - D. `<input type= "dropdown">`
14. Which element is used in the `<HEAD>` section on an HTML document, if we want to use an external style sheet file to decorate the page?
- A. `<link>`
 - B. `<style>`
 - C. `<src>`
 - D. `<css>`

Continued...

15. How will you make all paragraph elements 'RED' colour in CSS?
- A. `p.all {color: red;}`
 - B. `p.all {color: #990000;}`
 - C. `all.p {color: red;}`
 - D. `p {color: red;}`
16. In CSS, `color:blue` can be called as _____.
- A. rule
 - B. value
 - C. selector
 - D. declaration
17. If we want to insert a dotted border around an image, which CSS property will we use?
- A. `border-color`
 - B. `border-decoration`
 - C. `border-style`
 - D. `border-line`
18. By default, hyperlinks are displayed with an underline. How do you remove the underline from all hyperlinks by using CSS code?
- A. `a {text-style: none;}`
 - B. `a {text-decoration: none;}`
 - C. `a {text-style: no-underline;}`
 - D. `a {text-decoration: no-underline;}`
19. The code `<h1 style="text-align: center;"> My Web Page </h1>` displays _____.
- A. left aligned heading
 - B. left aligned paragraph
 - C. centre aligned heading
 - D. centre aligned paragraph
20. How can we insert Javascript codes in an HTML document?
- A. Using script tag.
 - B. Using style tag.
 - C. Using sockets.
 - D. Using marquee tag.
21. What are variables used for in JavaScript?
- A. Access to raw memory.
 - B. Divide program in logical blocks.
 - C. Storing numbers, dates, or other values.
 - D. None of the above.

Continued...

22. JavaScript is designed to _____.
- A. style HTML pages
 - B. add interactivity to HTML pages
 - C. execute query related to DB on server
 - D. perform server side scripting operation
23. _____ statement is used to test a specific condition.
- A. if
 - B. for
 - C. select
 - D. switch
24. What will be the output of the following JavaScript code?
- ```
<script type="text/javascript">
x=4+"4";
document.write(x);
</script>
```
- A. 44
  - B. 8
  - C. 4
  - D. Error output.
25. Which is the **BEST** to represent the following condition in JavaScript?  
If "m" is **NOT** equal to 14?
- A. if m<>14
  - B. if (m<>14)
  - C. if m!=14
  - D. if (m!=14)

(Total: 25 marks)

Continued...

**SECTION B: Structured Questions (75 Marks)****QUESTION 1**

- (a) Write the following statements using HTML codes.
- (i) **Borneo** is the 3<sup>rd</sup> largest island in the world. (2 marks)
- (ii) **Clownfish** vanished after *Finding Nemo* movie release. (2 marks)  
 (Hint: The word 'Clownfish' is highlighted in yellow.)
- (b) Given the following output, write the HTML codes to create the list. The first line uses heading level 3. (6 marks)

| Sample Output                   |  |
|---------------------------------|--|
| <b><u>Malaysian Cuisine</u></b> |  |
| 1. Food                         |  |
| i. Rice                         |  |
| o Nasi Lemak                    |  |
| o Congee                        |  |
| ii. Noodles                     |  |
| <hr/>                           |  |
| 2. Cuisines Of Malaysia         |  |
| a. Malay Cuisine                |  |
| b. Malaysian Chinese Cuisine    |  |
| c. Malaysian Indian Cuisine     |  |
| d. East Malaysia                |  |
| ▪ Sabahan Food                  |  |
| ▪ Sarawakian Food               |  |

- (c) Write the codes to generate the following HTML table. (6 marks)

| Sample Output                                                 |                           |                               |
|---------------------------------------------------------------|---------------------------|-------------------------------|
| Online Game                                                   |                           |                               |
| Software distribution platforms and content delivery networks |                           |                               |
| App store - Cloud Gaming                                      |                           |                               |
| Active                                                        | Personal computer         | GameHouse - Chrome Web Store  |
|                                                               | Mobile                    | Apple App Store - Google Play |
|                                                               | Video games consoles      | GameFly - Xbox Store          |
| Discontinued                                                  | Club Nokia - Yahoo! Games |                               |

Continued...

- (d) Write the codes to generate the HTML form shown in the sample output. Use the guidelines given below. (9 marks)
- The Name, Email and Registration Number is a mandatory field.
  - The Registration Number text box size is 55. The length must be from 4 to 15 characters long. It has a hint text stating, "Please enter your vehicle registration number with space".
  - The Location options are *Kota Raya Complex*, *Swiss Garden Hotel*, *Mahkota Parade* and *Melaka Raya*. Pre-select *Swiss Garden Hotel*.
  - The Message visible rows are 3 and horizontally it can fit 30 characters. It includes a default text stating, "Enter message here".

| Sample Output                               |                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------|
| Name * :                                    | <input type="text"/>                                                                  |
| Email * :                                   | <input type="text"/>                                                                  |
| Registration Number * :                     | <input type="text" value="Please enter your vehicle registration number with space"/> |
| Location :                                  | <input type="text" value="Swiss Garden Hotel"/> ▾                                     |
| Message :                                   | <div><div>Enter message here</div><div></div><div></div></div>                        |
| <input type="button" value="Send Message"/> |                                                                                       |
| * These fields are required.                |                                                                                       |

(Total: 25 marks)

**QUESTION 2**

- (a) Write the Internal CSS style for each of the statement below.
- Set the background colour for the whole document to moccasin. (2 marks)
  - Set the font face of the `table` tag to Roboto. (2 marks)
  - Align all paragraph with align right. (2 marks)
  - Use image (*heart.gif*) as bullet type for an unordered list. (2.5 marks)
  - Set a text colour for heading level 2 to hotpink. (1.5 marks)

Continued...

- (b) Rewrite the below codes by adding the Internal CSS to replace HTML attributes and tags. (*Hint: HTML attributes and tags that need to be replaced are in bold and underlined.*) At body section, apply the necessary selectors based on the Internal CSS style. (15 marks)

```
<html>

<body bgcolor="#7FFFD4">

<h1 align="center">
2019 Southeast Asian Games
</h1>

<hr color="magenta">
<p align="justify">
The 2019 Southeast Asian Games, was the 30th
edition of the Southeast Asian Games, a biennial regional
multi-sport event which was held in the Philippines
from 30 November to 11 December 2019.
</p>

</body>
</html>
```

(Total: 25 marks)

### QUESTION 3

Based on the descriptions given below, write the JavaScript codes to calculate the amount to be paid for movie tickets. (25 marks)

- Insert a single line comment "JavaScript code to Calculate the Amount to be Paid for Movie Ticket Start Here" in JavaScript.
- Declare all the variables used in this program.
- Ask the user to key-in the movie code using a prompt () method. Store the value in a variable named *m\_code*.
- Ask the user to key-in the number of tickets purchased for adults and child using a prompt () method. Store the value in a variable named *a\_qty* and *c\_qty*.
  - A 50% discount is given for child viewers.
- Ask the user whether the reservation include movie merchandise using a confirm() method. Store their response in a variable named *purchase\_m*.
- Now, using if else statement identify the movie name and the ticket price. Use the table below as your reference.

Movie Code	Movie Name	Ticket Price (RM)
MOV1	Jumanji: The Next Level	34.00
MOV2	Ejen Ali The Movie	13.50
MOV3	Star Wars: The Rise of Skywalker	20.00
Other values	Invalid Movie Code	0.00

Continued...

- Based on the user's response on the reservation that include movie merchandise, use **if else** statement to store:
  - The price of RM30 in a variable named *merchandise*.
- Write the formula to calculate the total price for adult.
- Write the formula to calculate the total price for child.
- Write the formula to calculate the payment for the movie.
- Display the output as shown in the sample output.

**Sample Output**

This page says

Enter the movie code:

MOV1-Jumanji: The Next Level  
MOV2-Ejen Ali The Movie  
MOV3-Star Wars: The Rise of Skywalker

MOV1

OK Cancel

This page says

Enter adult ticket quantity:

3

OK Cancel

This page says

Enter child ticket quantity:

5

OK Cancel

This page says

Do you want to buy the movie merchandise?

OK Cancel

Continued...

If the user **purchase movie merchandise**, the output shown below will be displayed.

Movie Name : Jumanji: The Next Level

Ticket Price : RM34.00

Adult Ticket : 3

Child Ticket : 5

Adult Price : RM102.00

Child Price : RM85.00

Total Payment : RM217.00

If the user **did not purchase movie merchandise**, the output shown below will be displayed.

Movie Name : Jumanji: The Next Level

Ticket Price : RM34.00

Adult Ticket : 3

Child Ticket : 5

Adult Price : RM102.00

Child Price : RM85.00

Total Payment : RM187.00

(Total: 25 marks)

**End of Paper**